



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2008
Code: 11341355
SAU: Portland Public Schools
School: Lyman Moore Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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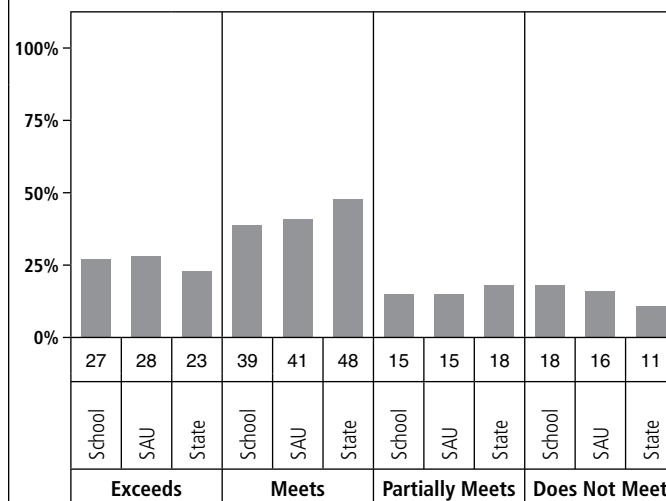
SUMMARY OF SCORES

Test Date: March 2008
Grade: 8
SAU: Portland Public Schools
School: Lyman Moore Middle School

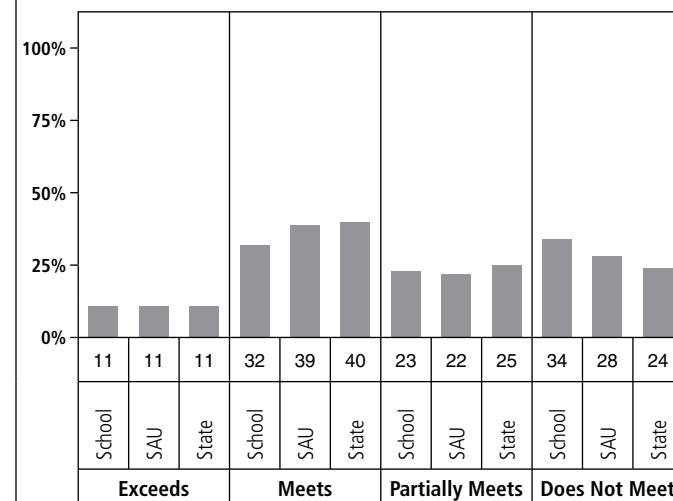
Summary of School, SAU, and State Scores

| Year | Average Scaled Score | | |
|---------------------------------|----------------------|------------|------------|
| | School | SAU | State |
| ELA – Reading | | | |
| 2005–2006 | 846 | 845 | 845 |
| 2006–2007 | 845 | 845 | 847 |
| 2007–2008 | 849 | 850 | 849 |
| Cum. Avg. * | 847 | 847 | 847 |
| Mathematics | | | |
| 2005–2006 | 840 | 840 | 840 |
| 2006–2007 | 839 | 839 | 842 |
| 2007–2008 | 838 | 840 | 841 |
| Cum. Avg. * | 839 | 840 | 841 |
| Science & Technology | | | |
| 2005–2006 | 845 | 845 | 846 |
| 2006–2007 | 844 | 845 | 847 |
| 2007–2008 | 844 | 845 | 847 |
| Cum. Avg. * | 844 | 845 | 847 |

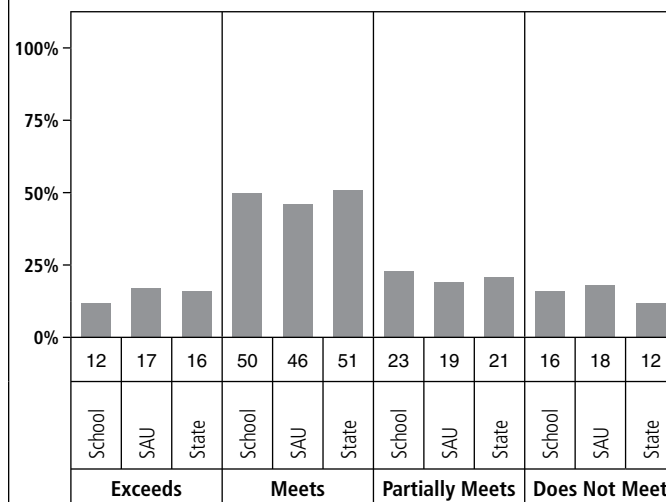
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 8
 SAU: Portland Public Schools
 School: Lyman Moore Middle School

| CATEGORY OF PARTICIPATION | Enrollment ¹ during testing window | | | | | | CONTENT AREA PARTICIPATION ² | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|-----|-----|-----|-------|-----|---|-----|-----|-----|-------|-----|-------------|-----|-----|-----|-------|-----|------------------------|-----|-----|-----|-------|-----|--------|---|-----|---|-------|---|
| | | | | | | | ELA-Reading | | | | | | Mathematics | | | | | | Science and Technology | | | | | | | | | | | |
| | School | | SAU | | State | | School | | SAU | | State | | School | | SAU | | State | | School | | SAU | | State | | School | | SAU | | State | |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| Total number of students | 188 | 100 | 490 | 100 | 15274 | 100 | 187 | 99 | 481 | 99 | 15102 | 99 | 185 | 99 | 481 | 99 | 15097 | 99 | 185 | 98 | 481 | 99 | 15080 | 99 | | | | | | |
| Ethnicity African American/Black | 25 | 13 | 89 | 18 | 368 | 2 | 24 | 96 | 85 | 97 | 356 | 97 | 24 | 96 | 87 | 99 | 360 | 98 | 24 | 96 | 87 | 99 | 356 | 97 | | | | | | |
| American Indian or Native Alaskan | 1 | 1 | 2 | 0 | 120 | 1 | 1 | 100 | 2 | 100 | 117 | 98 | 1 | 100 | 2 | 100 | 117 | 98 | 1 | 100 | 2 | 100 | 117 | 98 | | | | | | |
| Asian or Pacific Islander | 7 | 4 | 43 | 9 | 186 | 1 | 7 | 100 | 43 | 100 | 181 | 97 | 7 | 100 | 43 | 100 | 182 | 98 | 7 | 100 | 43 | 100 | 182 | 98 | | | | | | |
| Hispanic | 10 | 5 | 16 | 3 | 139 | 1 | 10 | 100 | 15 | 94 | 136 | 98 | 10 | 100 | 15 | 94 | 136 | 98 | 10 | 100 | 15 | 94 | 136 | 98 | | | | | | |
| Caucasian/White | 145 | 77 | 340 | 69 | 14461 | 95 | 145 | 100 | 336 | 99 | 14312 | 99 | 143 | 99 | 334 | 99 | 14302 | 99 | 143 | 99 | 334 | 99 | 14289 | 99 | | | | | | |
| Not Reported | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Identified disability | 36 | 19 | 85 | 17 | 2508 | 16 | 36 | 100 | 83 | 98 | 2446 | 98 | 35 | 97 | 82 | 96 | 2441 | 98 | 34 | 94 | 81 | 95 | 2431 | 98 | | | | | | |
| Current LEP | 29 | 15 | 120 | 24 | 327 | 2 | 29 | 100 | 116 | 97 | 316 | 97 | 29 | 100 | 118 | 99 | 322 | 99 | 29 | 100 | 118 | 99 | 322 | 99 | | | | | | |
| Economically disadvantaged | 62 | 33 | 221 | 45 | 5420 | 35 | 62 | 100 | 213 | 97 | 5329 | 99 | 62 | 100 | 215 | 98 | 5324 | 99 | 62 | 100 | 215 | 98 | 5313 | 98 | | | | | | |
| Migrant | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 7 | 100 | 0 | 0 | 0 | 0 | 7 | 100 | 0 | 0 | 0 | 0 | 7 | 100 | | | | | | |

| MODE OF PARTICIPATION ³ | ELA-Reading | | | | | | Mathematics | | | | | | Science and Technology | | | | | | | | | | | |
|--|-------------|-----|-----|-----|-------|-----|-------------|-----|-----|-----|-------|-----|------------------------|-----|-----|-----|-------|-----|--------|---|-----|---|-------|---|
| | School | | SAU | | State | | School | | SAU | | State | | School | | SAU | | State | | School | | SAU | | State | |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| Participation without accommodations | 153 | 81 | 339 | 69 | 12703 | 83 | 152 | 81 | 338 | 69 | 12694 | 83 | 153 | 81 | 340 | 69 | 12710 | 83 | | | | | | |
| Identified disability (PET/IEP) | 6 | 4 | 13 | 4 | 437 | 3 | 6 | 4 | 13 | 4 | 421 | 3 | 6 | 4 | 14 | 4 | 445 | 4 | | | | | | |
| LEP | 23 | 15 | 57 | 17 | 172 | 1 | 23 | 15 | 57 | 17 | 172 | 1 | 23 | 15 | 57 | 17 | 173 | 1 | | | | | | |
| 504 plan | 6 | 4 | 7 | 2 | 229 | 2 | 5 | 3 | 6 | 2 | 231 | 2 | 6 | 4 | 7 | 2 | 230 | 2 | | | | | | |
| Participation with accommodations | 29 | 15 | 125 | 26 | 2221 | 15 | 28 | 15 | 126 | 26 | 2227 | 15 | 28 | 15 | 125 | 26 | 2197 | 14 | | | | | | |
| Identified disability (PET/IEP) | 25 | 86 | 53 | 42 | 1832 | 82 | 24 | 86 | 52 | 41 | 1844 | 83 | 24 | 86 | 51 | 41 | 1813 | 83 | | | | | | |
| LEP | 5 | 17 | 55 | 44 | 136 | 6 | 5 | 18 | 57 | 45 | 143 | 6 | 5 | 18 | 57 | 46 | 142 | 6 | | | | | | |
| 504 plan | 0 | 0 | 2 | 2 | 68 | 3 | 0 | 0 | 2 | 2 | 66 | 3 | 0 | 0 | 2 | 2 | 66 | 3 | | | | | | |
| Other | 1 | 3 | 19 | 15 | 213 | 10 | 1 | 4 | 19 | 15 | 202 | 9 | 1 | 4 | 19 | 15 | 204 | 9 | | | | | | |
| Participation through alternate assessment (PAAP) | 5 | 3 | 17 | 3 | 177 | 1 | 5 | 3 | 17 | 3 | 176 | 1 | 4 | 2 | 16 | 3 | 173 | 1 | | | | | | |
| Identified disability (PET/IEP) | 5 | 100 | 17 | 100 | 177 | 100 | 5 | 100 | 17 | 100 | 176 | 100 | 4 | 100 | 16 | 100 | 173 | 100 | | | | | | |
| LEP | 1 | 20 | 4 | 24 | 7 | 4 | 1 | 20 | 4 | 24 | 7 | 4 | 1 | 25 | 4 | 25 | 7 | 4 | | | | | | |
| 504 plan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Approved non-participation in reading – 1st year LEP | 0 | 0 | 0 | 0 | 1 | 0 | | | | | | | | | | | | | | | | | | |
| Approved non-participation – special consideration | 0 | 0 | 2 | 0 | 32 | 0 | 1 | 1 | 3 | 1 | 34 | 0 | 0 | 0 | 2 | 0 | 34 | 0 | | | | | | |
| Non-participation – other | 1 | 1 | 7 | 1 | 140 | 1 | 2 | 1 | 6 | 1 | 143 | 1 | 3 | 2 | 7 | 1 | 160 | 1 | | | | | | |

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

| | |
|------------|---------------------------|
| Test Date: | March 2008 |
| Grade: | 8 |
| SAU: | Portland Public Schools |
| School: | Lyman Moore Middle School |

| ACHIEVEMENT LEVEL DEFINITIONS | | STUDENTS AT EACH ACHIEVEMENT LEVEL | | | | | |
|--|------------------|------------------------------------|-----------|------------|-----------|-------------|-----------|
| | | School | | SAU | | State | |
| | | N | % | N | % | N | % |
| Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880) | 2005-2006 | 48 | 26 | 124 | 22 | 2695 | 17 |
| | 2006-2007 | 24 | 12 | 75 | 15 | 2407 | 16 |
| | 2007-2008 | 50 | 27 | 132 | 28 | 3428 | 23 |
| | Cum. Total* | 122 | 22 | 331 | 22 | 8530 | 18 |
| | | | | | | | |
| Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860) | 2005-2006 | 69 | 37 | 204 | 37 | 6830 | 42 |
| | 2006-2007 | 101 | 52 | 234 | 46 | 7494 | 49 |
| | 2007-2008 | 71 | 39 | 189 | 41 | 7179 | 48 |
| | Cum. Total* | 241 | 43 | 627 | 41 | 21503 | 46 |
| | | | | | | | |
| Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840) | 2005-2006 | 30 | 16 | 102 | 18 | 3741 | 23 |
| | 2006-2007 | 38 | 19 | 112 | 22 | 3628 | 24 |
| | 2007-2008 | 28 | 15 | 69 | 15 | 2706 | 18 |
| | Cum. Total* | 96 | 17 | 283 | 19 | 10075 | 22 |
| | | | | | | | |
| Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828) | 2005-2006 | 40 | 21 | 124 | 22 | 3003 | 18 |
| | 2006-2007 | 32 | 16 | 87 | 17 | 1810 | 12 |
| | 2007-2008 | 33 | 18 | 74 | 16 | 1611 | 11 |
| | Cum. Total* | 105 | 19 | 285 | 19 | 6424 | 14 |
| | | | | | | | |

| Learning Results Content Standard Cluster | Number of Points Possible | | Average Points Attained (Number and Percent) | | | | | |
|--|---------------------------------|------------|--|------|------|------|-------|------|
| | | | School | | SAU | | State | |
| | N | % | N | % | N | % | N | % |
| Total Reading Cluster | 56 | 100 | 36.2 | 64.6 | 36.8 | 65.7 | 36.9 | 65.9 |
| Literary Text | 28 | 50 | 18.1 | 64.6 | 18.3 | 65.4 | 18.3 | 65.4 |
| Informational Text | 28 | 50 | 18.1 | 64.6 | 18.5 | 66.1 | 18.6 | 66.4 |

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Portland Public Schools
 School: Lyman Moore Middle School

| REPORTING CATEGORIES | School | | | | | | | | | | SAU | | | | | | State | | | | | |
|-----------------------------------|--------|----|----|----|----|----|----|----|----|-------------------|--------|----|----|----|----|-------------------|--------|----|----|----|----|-------------------|
| | Tested | E | | M | | P | | D | | Mean Scaled Score | Tested | E | M | P | D | Mean Scaled Score | Tested | E | M | P | D | Mean Scaled Score |
| | N | N | % | N | % | N | % | N | % | | N | % | % | % | % | | N | % | % | % | % | |
| All Students | 182 | 50 | 27 | 71 | 39 | 28 | 15 | 33 | 18 | 849 | 464 | 28 | 41 | 15 | 16 | 850 | 14924 | 23 | 48 | 18 | 11 | 849 |
| Ethnicity | | | | | | | | | | | | | | | | | | | | | | |
| African American/Black | 22 | 1 | 5 | 8 | 36 | 6 | 27 | 7 | 32 | 838 | 78 | 3 | 32 | 28 | 37 | 835 | 348 | 11 | 38 | 22 | 29 | 840 |
| American Indian or Native Alaskan | 1 | | | | | | | | | | 2 | | | | | | 117 | 9 | 43 | 29 | 19 | 842 |
| Asian or Pacific Islander | 7 | 3 | 43 | 1 | 14 | 0 | 0 | 3 | 43 | 845 | 43 | 21 | 40 | 16 | 23 | 847 | 179 | 32 | 39 | 18 | 11 | 852 |
| Hispanic | 10 | 3 | 30 | 4 | 40 | 3 | 30 | 0 | 0 | 853 | 15 | 20 | 33 | 40 | 7 | 848 | 131 | 18 | 38 | 27 | 17 | 846 |
| Caucasian/White | 142 | 43 | 30 | 58 | 41 | 18 | 13 | 23 | 16 | 850 | 326 | 36 | 44 | 10 | 10 | 854 | 14149 | 23 | 49 | 18 | 10 | 850 |
| Not Reported | 0 | | | | | | | | | | 0 | | | | | | 0 | | | | | |
| Identified disability | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 31 | 1 | 3 | 6 | 19 | 6 | 19 | 18 | 58 | 829 | 66 | 2 | 30 | 23 | 45 | 833 | 2269 | 3 | 24 | 32 | 42 | 833 |
| No | 151 | 49 | 32 | 65 | 43 | 22 | 15 | 15 | 10 | 853 | 398 | 33 | 42 | 14 | 11 | 853 | 12655 | 27 | 52 | 16 | 5 | 852 |
| Current LEP | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 28 | 2 | 7 | 10 | 36 | 8 | 29 | 8 | 29 | 839 | 112 | 8 | 33 | 28 | 31 | 839 | 308 | 8 | 30 | 27 | 34 | 837 |
| No | 154 | 48 | 31 | 61 | 40 | 20 | 13 | 25 | 16 | 851 | 352 | 35 | 43 | 11 | 11 | 853 | 14616 | 23 | 48 | 18 | 10 | 850 |
| Economically disadvantaged | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 59 | 3 | 5 | 18 | 31 | 16 | 27 | 22 | 37 | 836 | 201 | 9 | 37 | 24 | 30 | 839 | 5222 | 12 | 44 | 25 | 19 | 843 |
| No | 123 | 47 | 38 | 53 | 43 | 12 | 10 | 11 | 9 | 855 | 263 | 43 | 44 | 8 | 5 | 858 | 9702 | 29 | 50 | 14 | 7 | 853 |
| Migrant | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 0 | | | | | | | | | | 0 | | | | | | 7 | 0 | 86 | 0 | 14 | 850 |
| No | 182 | 50 | 27 | 71 | 39 | 28 | 15 | 33 | 18 | 849 | 464 | 28 | 41 | 15 | 16 | 850 | 14917 | 23 | 48 | 18 | 11 | 849 |
| Gender | | | | | | | | | | | | | | | | | | | | | | |
| Female | 91 | 33 | 36 | 36 | 40 | 8 | 9 | 14 | 15 | 852 | 238 | 34 | 42 | 10 | 14 | 852 | 7198 | 30 | 48 | 15 | 7 | 853 |
| Male | 91 | 17 | 19 | 35 | 38 | 20 | 22 | 19 | 21 | 845 | 226 | 23 | 39 | 20 | 18 | 847 | 7726 | 17 | 49 | 21 | 14 | 847 |
| Not Reported | 0 | | | | | | | | | | 0 | | | | | | 0 | | | | | |
| Title 1A targeted program | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 3 | | | | | | | | | | 144 | 31 | 42 | 14 | 13 | 852 | 807 | 9 | 41 | 32 | 18 | 842 |
| No | 179 | 50 | 28 | 70 | 39 | 27 | 15 | 32 | 18 | 849 | 320 | 27 | 40 | 15 | 18 | 849 | 14117 | 24 | 49 | 17 | 10 | 850 |
| Gifted/talented program | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 8 | 7 | 88 | 1 | 13 | 0 | 0 | 0 | 0 | 876 | 20 | 90 | 10 | 0 | 0 | 874 | 592 | 71 | 28 | 1 | 0 | 867 |
| No | 174 | 43 | 25 | 70 | 40 | 28 | 16 | 33 | 19 | 848 | 444 | 26 | 42 | 16 | 17 | 849 | 14332 | 21 | 49 | 19 | 11 | 849 |

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 8
 SAU: Portland Public Schools
 School: Lyman Moore Middle School

| QUESTIONNAIRE ITEMS | School | | | | | | | | | | SAU | | | | | | State | | | | | |
|--|---------------------------------|---------------------|---------------------|----------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------------|---------------------------------|----------------------|----------------------|----------------------|-----------------------|--------------------------|---------------------------------|----------------------|----------------------|----------------------|---------------------|--------------------------|
| | Students in Each Category | E | | M | | P | | D | | Mean Scaled Score | Students in Each Category | E | M | P | D | Mean Scaled Score | Students in Each Category | E | M | P | D | Mean Scaled Score |
| | | % | N | % | N | % | N | % | N | | | % | % | % | % | | | % | % | % | % | |
| How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours | 12 55 32 2 | 2 30 18 0 | 10 31 32 0 | 6 43 22 0 | 29 44 39 0 | 2 14 9 2 | 10 14 16 67 | 11 11 8 1 | 52 11 14 33 | 834 852 852 832 | 7 48 41 4 | 19 27 34 16 | 26 44 40 32 | 13 16 13 16 | 42 13 12 37 | 839 851 852 841 | 9 46 41 5 | 10 20 28 28 | 39 50 49 44 | 24 20 15 15 | 26 11 7 12 | 841 849 852 850 |
| How well do the questions that you have just been given on this MEA test match what you have learned in school about reading? A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match. | 22 54 21 3 | 12 24 14 0 | 31 25 37 0 | 17 43 10 1 | 44 45 26 17 | 5 18 4 0 | 13 19 11 0 | 5 11 10 5 | 13 11 26 83 | 851 850 849 822 | 30 53 14 3 | 38 25 28 0 | 40 46 26 33 | 12 16 15 8 | 9 13 31 58 | 854 850 844 830 | 33 53 11 3 | 31 21 14 6 | 48 51 41 34 | 14 19 25 26 | 7 9 20 35 | 853 849 844 836 |
| Which of the following best describes how you rate yourself as a student in reading? A. very good B. good C. fair D. poor | 32 50 15 3 | 29 20 1 0 | 50 22 4 0 | 19 41 10 1 | 33 46 38 20 | 5 16 3 3 | 9 18 12 60 | 5 13 12 1 | 9 14 46 20 | 857 849 835 838 | 34 50 14 2 | 47 23 8 11 | 35 47 37 22 | 7 17 22 33 | 10 13 34 33 | 857 849 838 838 | 31 49 18 2 | 42 19 5 4 | 44 54 42 29 | 8 19 31 32 | 6 9 22 34 | 857 849 840 835 |
| How difficult was the reading part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork | 15 67 18 | 3 33 13 | 12 28 42 | 10 49 11 | 38 42 35 | 7 17 3 | 27 14 10 | 6 19 4 | 23 16 13 | 841 850 854 | 17 67 16 | 14 30 40 | 36 43 35 | 25 14 10 | 25 13 15 | 842 852 852 | 15 65 19 | 16 23 30 | 44 49 49 | 22 18 14 | 18 9 8 | 845 850 852 |
| How difficult were the reading passages on this test? A. Most of the passages were more difficult than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read. | 11 51 38 | 1 15 33 | 5 17 51 | 3 45 21 | 16 51 32 | 5 18 4 | 26 20 6 | 10 11 7 | 53 12 11 | 833 849 857 | 8 53 39 | 5 16 51 | 16 51 34 | 24 20 6 | 55 13 9 | 831 848 858 | 9 53 38 | 8 17 36 | 33 51 48 | 28 21 11 | 31 11 5 | 838 848 855 |
| How hard did you try on the reading part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork. | 36 54 9 | 12 34 3 | 19 36 19 | 24 39 6 | 38 41 38 | 13 11 2 | 21 12 13 | 14 10 5 | 22 11 31 | 845 854 842 | 44 50 6 | 24 35 19 | 41 43 33 | 17 13 19 | 18 10 30 | 848 854 841 | 43 51 6 | 23 25 9 | 48 49 43 | 19 17 24 | 10 9 23 | 849 851 842 |
| How much time do you spend reading at home each day? A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home. | 16 52 15 17 | 10 35 2 3 | 34 38 8 10 | 10 38 10 13 | 34 41 38 42 | 5 10 6 6 | 17 11 23 19 | 4 10 8 9 | 14 11 31 29 | 851 854 838 842 | 21 43 13 22 | 35 36 17 17 | 36 39 43 49 | 12 14 20 16 | 17 11 20 19 | 851 853 845 847 | 18 41 13 28 | 31 28 20 12 | 47 49 49 47 | 13 15 18 26 | 9 7 12 16 | 852 852 848 844 |
| How do you feel about the following statement? <i>“My knowledge of reading will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree | 51 40 7 2 | 32 16 2 0 | 35 22 17 0 | 35 32 2 2 | 38 44 17 50 | 13 10 3 1 | 14 14 25 25 | 11 14 5 1 | 12 19 42 25 | 853 848 836 842 | 48 44 6 2 | 33 27 21 11 | 42 42 31 22 | 14 15 21 11 | 11 17 28 56 | 853 849 841 837 | 43 48 6 2 | 31 18 11 6 | 48 50 43 36 | 14 20 24 32 | 7 12 21 26 | 853 848 843 839 |
| Optional school/SAU question A. B. C. D. | 30 50 10 10 | 1 1 0 0 | 17 10 0 0 | 2 2 0 0 | 33 20 0 0 | 0 3 2 0 | 0 30 100 0 | 3 4 0 2 | 50 40 0 100 | 841 831 832 818 | 26 44 15 15 | 22 13 0 0 | 22 20 20 0 | 0 20 60 0 | 56 47 20 100 | 842 832 834 819 | | | | | | |

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 8
SAU: Portland Public Schools
School: Lyman Moore Middle School

| ACHIEVEMENT LEVEL DEFINITIONS | | STUDENTS AT EACH ACHIEVEMENT LEVEL | | | | | |
|---|------------------|------------------------------------|-----------|------------|-----------|-------------|-----------|
| | | School | | SAU | | State | |
| | | N | % | N | % | N | % |
| Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880) | 2005-2006 | 25 | 14 | 87 | 16 | 1714 | 11 |
| | 2006-2007 | 18 | 9 | 57 | 11 | 1952 | 13 |
| | 2007-2008 | 20 | 11 | 53 | 11 | 1657 | 11 |
| | Cum. Total* | 63 | 11 | 197 | 13 | 5323 | 11 |
| Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860) | 2005-2006 | 64 | 35 | 164 | 30 | 5533 | 34 |
| | 2006-2007 | 63 | 32 | 172 | 34 | 5870 | 38 |
| | 2007-2008 | 57 | 32 | 179 | 39 | 5956 | 40 |
| | Cum. Total* | 184 | 33 | 515 | 34 | 17359 | 37 |
| Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840) | 2005-2006 | 42 | 23 | 143 | 26 | 4764 | 29 |
| | 2006-2007 | 60 | 31 | 143 | 28 | 3982 | 26 |
| | 2007-2008 | 42 | 23 | 103 | 22 | 3729 | 25 |
| | Cum. Total* | 144 | 26 | 389 | 25 | 12475 | 27 |
| Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828) | 2005-2006 | 54 | 29 | 158 | 29 | 4251 | 26 |
| | 2006-2007 | 54 | 28 | 140 | 27 | 3534 | 23 |
| | 2007-2008 | 61 | 34 | 129 | 28 | 3579 | 24 |
| | Cum. Total* | 169 | 30 | 427 | 28 | 11364 | 24 |

| Learning Results Content Standard Clusters | Number of Points Possible | | Average Points Attained (Number and Percent) | | | | | |
|--|---------------------------------|-----------|--|------|-----|------|-------|------|
| | | | School | | SAU | | State | |
| | N | % | N | % | N | % | N | % |
| Cluster 1: Numbers and Operations | 16 | 29 | 7.6 | 47.5 | 8.2 | 51.3 | 8.4 | 52.5 |
| Cluster 2: Shape and Size | 14 | 25 | 5.5 | 39.3 | 5.6 | 40.0 | 5.9 | 42.1 |
| Cluster 3: Mathematical Decision Making | 8 | 14 | 4.4 | 55.0 | 4.7 | 58.8 | 4.6 | 57.5 |
| Cluster 4: Patterns | 18 | 32 | 8.4 | 46.7 | 8.7 | 48.3 | 8.9 | 49.4 |

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Portland Public Schools
 School: Lyman Moore Middle School

| REPORTING CATEGORIES | School | | | | | | | | | | SAU | | | | | | State | | | | | |
|-----------------------------------|--------|----|-----|----|----|----|----|----|----|-------------------|--------|----|----|----|----|-------------------|--------|----|----|----|----|-------------------|
| | Tested | E | | M | | P | | D | | Mean Scaled Score | Tested | E | M | P | D | Mean Scaled Score | Tested | E | M | P | D | Mean Scaled Score |
| | N | N | % | N | % | N | % | N | % | | N | % | % | % | % | | N | % | % | % | % | |
| All Students | 180 | 20 | 11 | 57 | 32 | 42 | 23 | 61 | 34 | 838 | 464 | 11 | 39 | 22 | 28 | 840 | 14921 | 11 | 40 | 25 | 24 | 841 |
| Ethnicity | | | | | | | | | | | | | | | | | | | | | | |
| African American/Black | 22 | 0 | 0 | 3 | 14 | 4 | 18 | 15 | 68 | 824 | 80 | 0 | 16 | 19 | 65 | 822 | 352 | 2 | 23 | 23 | 52 | 828 |
| American Indian or Native Alaskan | 1 | | | | | | | | | | 2 | | | | | | 117 | 5 | 22 | 33 | 39 | 832 |
| Asian or Pacific Islander | 7 | 3 | 43 | 0 | 0 | 2 | 29 | 2 | 29 | 843 | 43 | 16 | 40 | 23 | 21 | 844 | 181 | 24 | 42 | 20 | 14 | 848 |
| Hispanic | 10 | 1 | 10 | 4 | 40 | 1 | 10 | 4 | 40 | 837 | 15 | 7 | 33 | 20 | 40 | 834 | 131 | 7 | 34 | 26 | 33 | 836 |
| Caucasian/White | 140 | 16 | 11 | 50 | 36 | 34 | 24 | 40 | 29 | 840 | 324 | 14 | 44 | 23 | 19 | 844 | 14140 | 11 | 41 | 25 | 23 | 841 |
| Not Reported | 0 | | | | | | | | | | 0 | | | | | | 0 | | | | | |
| Identified disability | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 30 | 0 | 0 | 3 | 10 | 4 | 13 | 23 | 77 | 821 | 65 | 2 | 17 | 23 | 58 | 826 | 2265 | 1 | 14 | 22 | 62 | 824 |
| No | 150 | 20 | 13 | 54 | 36 | 38 | 25 | 38 | 25 | 841 | 399 | 13 | 42 | 22 | 23 | 842 | 12656 | 13 | 45 | 26 | 17 | 844 |
| Current LEP | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 28 | 2 | 7 | 2 | 7 | 8 | 29 | 16 | 57 | 829 | 114 | 5 | 23 | 21 | 51 | 829 | 315 | 5 | 24 | 20 | 51 | 828 |
| No | 152 | 18 | 12 | 55 | 36 | 34 | 22 | 45 | 30 | 840 | 350 | 13 | 44 | 23 | 20 | 843 | 14606 | 11 | 40 | 25 | 23 | 841 |
| Economically disadvantaged | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 59 | 1 | 2 | 6 | 10 | 16 | 27 | 36 | 61 | 825 | 203 | 3 | 24 | 27 | 46 | 830 | 5217 | 5 | 30 | 29 | 37 | 834 |
| No | 121 | 19 | 16 | 51 | 42 | 26 | 21 | 25 | 21 | 844 | 261 | 18 | 50 | 19 | 13 | 847 | 9704 | 15 | 45 | 23 | 17 | 845 |
| Migrant | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 0 | | | | | | | | | | 0 | | | | | | 7 | 0 | 43 | 43 | 14 | 838 |
| No | 180 | 20 | 11 | 57 | 32 | 42 | 23 | 61 | 34 | 838 | 464 | 11 | 39 | 22 | 28 | 840 | 14914 | 11 | 40 | 25 | 24 | 841 |
| Gender | | | | | | | | | | | | | | | | | | | | | | |
| Female | 91 | 8 | 9 | 29 | 32 | 22 | 24 | 32 | 35 | 837 | 240 | 9 | 40 | 23 | 28 | 839 | 7199 | 11 | 40 | 26 | 23 | 841 |
| Male | 89 | 12 | 13 | 28 | 31 | 20 | 22 | 29 | 33 | 839 | 224 | 14 | 37 | 21 | 28 | 840 | 7722 | 11 | 40 | 24 | 25 | 841 |
| Not Reported | 0 | | | | | | | | | | 0 | | | | | | 0 | | | | | |
| Title 1A targeted program | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 3 | | | | | | | | | | 145 | 17 | 37 | 23 | 23 | 843 | 806 | 3 | 20 | 30 | 47 | 831 |
| No | 177 | 20 | 11 | 57 | 32 | 42 | 24 | 58 | 33 | 838 | 319 | 9 | 39 | 22 | 30 | 838 | 14115 | 12 | 41 | 25 | 23 | 842 |
| Gifted/talented program | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 8 | 8 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 876 | 20 | 75 | 25 | 0 | 0 | 870 | 592 | 58 | 39 | 2 | 1 | 864 |
| No | 172 | 12 | 7 | 57 | 33 | 42 | 24 | 61 | 35 | 836 | 444 | 9 | 39 | 23 | 29 | 838 | 14329 | 9 | 40 | 26 | 25 | 840 |

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 8
 SAU: Portland Public Schools
 School: Lyman Moore Middle School

| QUESTIONNAIRE ITEMS | School | | | | | | | | | | SAU | | | | | | State | | | | | |
|---|---------------------------------|-------------------|---------------------|---------------------|----------------------|--------------------|----------------------|---------------------|-----------------------|--------------------------|---------------------------------|---------------------|----------------------|----------------------|-----------------------|--------------------------|---------------------------------|---------------------|----------------------|----------------------|----------------------|--------------------------|
| | Students in Each Category | E | | M | | P | | D | | Mean Scaled Score | Students in Each Category | E | M | P | D | Mean Scaled Score | Students in Each Category | E | M | P | D | Mean Scaled Score |
| | | % | N | % | N | % | N | % | N | | | % | % | % | % | | | % | % | % | % | |
| How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours | 12 55 32 2 | 2 11 7 0 | 10 11 12 0 | 3 36 18 0 | 14 37 32 0 | 2 23 16 1 | 10 23 28 33 | 14 28 16 2 | 67 29 28 67 | 828 840 840 821 | 7 48 41 4 | 13 10 13 5 | 16 43 39 30 | 16 20 26 20 | 55 27 22 45 | 832 840 842 833 | 9 46 41 5 | 5 10 14 14 | 30 40 42 38 | 23 26 25 23 | 41 25 19 24 | 833 840 843 842 |
| How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics? A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match. | 24 51 20 5 | 4 13 2 1 | 9 14 6 11 | 19 31 7 0 | 44 34 20 0 | 5 24 11 2 | 12 26 31 22 | 15 24 15 6 | 35 26 43 67 | 839 841 832 824 | 32 49 16 4 | 18 11 3 6 | 43 43 24 12 | 20 23 26 18 | 19 23 47 65 | 845 842 829 822 | 30 50 17 4 | 17 10 6 3 | 43 42 32 18 | 22 26 29 25 | 18 22 33 54 | 845 841 836 828 |
| Which of the following best describes how you rate yourself as a student in mathematics? A. very good B. good C. fair D. poor | 30 48 18 4 | 14 6 0 0 | 26 7 0 0 | 19 32 5 1 | 36 38 16 13 | 11 25 5 1 | 21 29 16 13 | 9 22 22 6 | 17 26 69 75 | 848 839 824 820 | 26 50 21 4 | 27 8 2 0 | 39 46 28 6 | 15 24 28 19 | 18 22 43 75 | 847 841 831 818 | 26 45 23 5 | 29 7 1 1 | 46 46 26 14 | 14 27 34 29 | 11 20 38 57 | 851 841 833 827 |
| How difficult was the mathematics part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork | 40 44 17 | 2 3 14 | 3 4 48 | 18 31 8 | 26 41 28 | 23 15 3 | 33 20 10 | 26 27 4 | 38 36 14 | 833 837 855 | 39 46 15 | 5 7 45 | 37 45 32 | 27 22 9 | 32 27 14 | 836 839 855 | 34 52 13 | 4 10 33 | 35 43 40 | 28 26 14 | 32 21 13 | 836 842 852 |
| How hard did you try on the mathematics part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork. | 42 51 6 | 2 17 0 | 3 19 0 | 26 29 2 | 35 32 18 | 20 18 3 | 27 20 27 | 26 26 6 | 35 29 55 | 836 841 825 | 46 48 6 | 8 15 8 | 38 44 15 | 24 19 27 | 30 22 50 | 838 843 828 | 44 50 6 | 10 13 9 | 40 42 27 | 26 24 27 | 25 21 38 | 840 843 835 |
| How often do you use laptops in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never | 41 31 23 5 | 1 5 14 0 | 1 9 34 0 | 24 16 15 2 | 32 29 37 22 | 22 15 3 2 | 30 27 7 22 | 27 19 9 5 | 36 35 22 56 | 833 838 850 824 | 22 33 25 20 | 2 9 20 16 | 39 38 42 38 | 27 22 16 23 | 31 30 22 24 | 835 838 845 842 | 9 16 28 48 | 6 8 12 13 | 38 38 41 40 | 27 27 27 23 | 29 27 21 24 | 837 839 843 842 |
| How often do you use calculators in mathematics class? A. almost every day B. two or three times a week C. two or three times each month D. never or almost never | 31 45 17 7 | 5 8 6 1 | 9 10 20 8 | 22 22 12 1 | 39 27 40 8 | 11 23 6 2 | 20 28 20 17 | 18 28 6 8 | 32 35 20 67 | 838 837 845 827 | 36 41 16 6 | 10 12 17 4 | 47 37 33 21 | 20 24 27 7 | 23 27 23 68 | 841 841 842 824 | 38 33 18 11 | 14 10 10 7 | 42 41 36 34 | 23 26 27 26 | 21 23 27 33 | 843 841 840 836 |
| How do you feel about the following statement? “My knowledge of mathematics will be useful to me as an adult.” A. strongly agree B. agree C. disagree D. strongly disagree | 49 44 4 3 | 9 11 0 0 | 10 14 0 0 | 32 23 1 1 | 37 29 14 17 | 22 16 2 2 | 25 21 29 33 | 24 28 4 3 | 28 36 57 50 | 840 838 822 827 | 55 36 6 2 | 11 14 4 9 | 43 37 31 18 | 24 19 19 27 | 22 30 46 45 | 842 840 829 833 | 54 38 6 2 | 14 8 6 3 | 44 36 31 23 | 23 27 28 25 | 18 28 36 49 | 844 838 835 831 |
| Optional school/SAU question A. B. C. D. | 30 50 10 10 | 0 1 0 0 | 0 10 0 0 | 2 0 0 0 | 33 0 0 0 | 2 2 1 0 | 33 20 50 0 | 2 7 1 2 | 33 70 50 100 | 834 822 819 800 | 26 44 15 15 | 11 7 0 0 | 22 7 0 0 | 22 20 60 0 | 44 67 40 100 | 831 822 824 810 | | | | | | |

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 8
SAU: Portland Public Schools
School: Lyman Moore Middle School

| ACHIEVEMENT LEVEL DEFINITIONS | | STUDENTS AT EACH ACHIEVEMENT LEVEL | | | | | |
|--|------------------|------------------------------------|-----------|------------|-----------|-------------|-----------|
| | | School | | SAU | | State | |
| | | N | % | N | % | N | % |
| Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880) | 2005-2006 | 23 | 12 | 71 | 13 | 1879 | 12 |
| | 2006-2007 | 18 | 9 | 67 | 13 | 2192 | 14 |
| | 2007-2008 | 21 | 12 | 77 | 17 | 2371 | 16 |
| | Cum. Total* | 62 | 11 | 215 | 14 | 6442 | 14 |
| Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860) | 2005-2006 | 84 | 45 | 253 | 46 | 8604 | 53 |
| | 2006-2007 | 98 | 50 | 238 | 46 | 7916 | 52 |
| | 2007-2008 | 90 | 50 | 215 | 46 | 7630 | 51 |
| | Cum. Total* | 272 | 48 | 706 | 46 | 24150 | 52 |
| Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840) | 2005-2006 | 40 | 22 | 117 | 21 | 3618 | 22 |
| | 2006-2007 | 47 | 24 | 108 | 21 | 3340 | 22 |
| | 2007-2008 | 41 | 23 | 88 | 19 | 3175 | 21 |
| | Cum. Total* | 128 | 23 | 313 | 20 | 10133 | 22 |
| Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830) | 2005-2006 | 38 | 21 | 111 | 20 | 2174 | 13 |
| | 2006-2007 | 32 | 16 | 99 | 19 | 1865 | 12 |
| | 2007-2008 | 29 | 16 | 85 | 18 | 1731 | 12 |
| | Cum. Total* | 99 | 18 | 295 | 19 | 5770 | 12 |

| Learning Results Content Standard Clusters | Number of Points Possible | | Average Points Attained (Number and Percent) | | | | | |
|---|---------------------------------|----|--|------|-----|------|-------|------|
| | | | School | | SAU | | State | |
| | N | % | N | % | N | % | N | % |
| Cluster 1: Life Sciences | 14 | 25 | 7.3 | 52.1 | 7.8 | 55.7 | 8.1 | 57.9 |
| Cluster 2: Physical Sciences | 14 | 25 | 7.2 | 51.4 | 7.3 | 52.1 | 7.3 | 52.1 |
| Cluster 3: Earth and Space Sciences | 14 | 25 | 6.8 | 48.6 | 7.1 | 50.7 | 7.7 | 55.0 |
| Cluster 4: Nature and Implications of Science | 14 | 25 | 8.2 | 58.6 | 8.2 | 58.6 | 8.5 | 60.7 |

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslt/gles.htm>.



SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Portland Public Schools
 School: Lyman Moore Middle School

| REPORTING CATEGORIES | School | | | | | | | | | | SAU | | | | | | State | | | | | |
|-----------------------------------|--------|----|----|----|----|----|----|----|----|-------------------|--------|----|----|----|----|-------------------|--------|----|----|----|----|-------------------|
| | Tested | E | | M | | P | | D | | Mean Scaled Score | Tested | E | M | P | D | Mean Scaled Score | Tested | E | M | P | D | Mean Scaled Score |
| | N | N | % | N | % | N | % | N | % | | N | % | % | % | % | | N | % | % | % | % | |
| All Students | 181 | 21 | 12 | 90 | 50 | 41 | 23 | 29 | 16 | 844 | 465 | 17 | 46 | 19 | 18 | 845 | 14907 | 16 | 51 | 21 | 12 | 847 |
| Ethnicity | | | | | | | | | | | | | | | | | | | | | | |
| African American/Black | 22 | 0 | 0 | 5 | 23 | 9 | 41 | 8 | 36 | 833 | 80 | 0 | 23 | 31 | 46 | 831 | 349 | 4 | 35 | 26 | 34 | 837 |
| American Indian or Native Alaskan | 1 | | | | | | | | | | 2 | | | | | | 117 | 8 | 40 | 28 | 24 | 840 |
| Asian or Pacific Islander | 7 | 1 | 14 | 3 | 43 | 1 | 14 | 2 | 29 | 843 | 43 | 16 | 42 | 12 | 30 | 842 | 181 | 20 | 50 | 15 | 15 | 849 |
| Hispanic | 10 | 1 | 10 | 3 | 30 | 4 | 40 | 2 | 20 | 843 | 15 | 7 | 20 | 47 | 27 | 839 | 131 | 5 | 50 | 22 | 23 | 842 |
| Caucasian/White | 141 | 19 | 13 | 79 | 56 | 26 | 18 | 17 | 12 | 846 | 325 | 21 | 54 | 15 | 9 | 850 | 14129 | 16 | 52 | 21 | 11 | 848 |
| Not Reported | 0 | | | | | | | | | | 0 | | | | | | 0 | | | | | |
| Identified disability | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 30 | 1 | 3 | 6 | 20 | 10 | 33 | 13 | 43 | 831 | 65 | 6 | 23 | 29 | 42 | 833 | 2258 | 3 | 29 | 31 | 37 | 836 |
| No | 151 | 20 | 13 | 84 | 56 | 31 | 21 | 16 | 11 | 847 | 400 | 18 | 50 | 17 | 15 | 847 | 12649 | 18 | 55 | 20 | 7 | 850 |
| Current LEP | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 28 | 1 | 4 | 5 | 18 | 13 | 46 | 9 | 32 | 835 | 114 | 6 | 24 | 27 | 43 | 834 | 315 | 4 | 29 | 25 | 42 | 834 |
| No | 153 | 20 | 13 | 85 | 56 | 28 | 18 | 20 | 13 | 846 | 351 | 20 | 54 | 16 | 10 | 849 | 14592 | 16 | 52 | 21 | 11 | 848 |
| Economically disadvantaged | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 59 | 1 | 2 | 16 | 27 | 20 | 34 | 22 | 37 | 833 | 203 | 3 | 35 | 26 | 35 | 836 | 5206 | 8 | 45 | 28 | 20 | 842 |
| No | 122 | 20 | 16 | 74 | 61 | 21 | 17 | 7 | 6 | 849 | 262 | 27 | 55 | 13 | 5 | 853 | 9701 | 20 | 55 | 18 | 7 | 850 |
| Migrant | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 0 | | | | | | | | | | 0 | | | | | | 7 | 29 | 57 | 14 | 0 | 852 |
| No | 181 | 21 | 12 | 90 | 50 | 41 | 23 | 29 | 16 | 844 | 465 | 17 | 46 | 19 | 18 | 845 | 14900 | 16 | 51 | 21 | 12 | 847 |
| Gender | | | | | | | | | | | | | | | | | | | | | | |
| Female | 91 | 7 | 8 | 51 | 56 | 17 | 19 | 16 | 18 | 844 | 240 | 13 | 52 | 16 | 19 | 845 | 7196 | 14 | 52 | 23 | 12 | 847 |
| Male | 90 | 14 | 16 | 39 | 43 | 24 | 27 | 13 | 14 | 845 | 225 | 20 | 40 | 22 | 18 | 846 | 7711 | 18 | 51 | 20 | 12 | 848 |
| Not Reported | 0 | | | | | | | | | | 0 | | | | | | 0 | | | | | |
| Title 1A targeted program | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 3 | | | | | | | | | | 145 | 23 | 43 | 16 | 19 | 848 | 804 | 6 | 38 | 34 | 22 | 841 |
| No | 178 | 21 | 12 | 90 | 51 | 39 | 22 | 28 | 16 | 844 | 320 | 14 | 48 | 20 | 18 | 844 | 14103 | 16 | 52 | 21 | 11 | 848 |
| Gifted/talented program | | | | | | | | | | | | | | | | | | | | | | |
| Yes | 8 | 7 | 88 | 1 | 13 | 0 | 0 | 0 | 0 | 872 | 20 | 90 | 10 | 0 | 0 | 870 | 592 | 63 | 35 | 1 | 0 | 865 |
| No | 173 | 14 | 8 | 89 | 51 | 41 | 24 | 29 | 17 | 843 | 445 | 13 | 48 | 20 | 19 | 844 | 14315 | 14 | 52 | 22 | 12 | 847 |

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 8
 SAU: Portland Public Schools
 School: Lyman Moore Middle School

| QUESTIONNAIRE ITEMS | School | | | | | | | | | | SAU | | | | | | State | | | | | |
|---|---------------------------------|-------------------|---------------------|----------------------|----------------------|---------------------|----------------------|-------------------|-----------------------|--------------------------|---------------------------------|----------------------|----------------------|----------------------|----------------------|--------------------------|---------------------------------|----------------------|----------------------|----------------------|---------------------|--------------------------|
| | Students in Each Category | E | | M | | P | | D | | Mean Scaled Score | Students in Each Category | E | M | P | D | Mean Scaled Score | Students in Each Category | E | M | P | D | Mean Scaled Score |
| | | % | N | % | N | % | N | % | N | | | % | % | % | % | | | % | % | % | % | |
| How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours | 12 55 32 2 | 2 11 8 0 | 10 11 14 0 | 6 54 30 0 | 29 55 53 0 | 4 24 11 1 | 19 24 19 33 | 9 9 8 2 | 43 9 14 67 | 835 846 846 827 | 7 48 41 4 | 19 15 19 10 | 26 50 49 25 | 19 19 18 25 | 35 16 15 40 | 840 846 847 836 | 9 46 41 5 | 10 14 19 19 | 40 52 53 47 | 26 22 19 21 | 23 12 9 14 | 842 847 849 848 |
| How well do the questions that you have just been given on this MEA test match what you have learned in school about science? A. The questions on the test match what I have learned in science class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match. | 35 47 12 5 | 5 11 3 2 | 8 13 14 22 | 32 46 10 1 | 52 55 45 11 | 19 14 4 2 | 31 17 18 22 | 6 13 5 4 | 10 15 23 44 | 845 846 842 838 | 35 47 13 5 | 16 19 13 14 | 55 48 36 10 | 19 19 16 24 | 10 15 34 52 | 848 848 839 832 | 29 49 18 5 | 19 16 13 9 | 54 51 51 39 | 19 22 23 29 | 9 11 13 23 | 849 848 846 842 |
| Which of the following best describes how you rate yourself as a student in science? A. very good B. good C. fair D. poor | 33 56 8 3 | 9 12 0 0 | 16 12 0 0 | 38 47 3 0 | 66 47 21 0 | 5 26 8 1 | 9 26 57 20 | 6 15 3 4 | 10 15 21 80 | 849 844 838 818 | 32 54 12 2 | 17 19 11 0 | 63 44 20 11 | 10 22 31 33 | 11 15 37 56 | 850 846 836 826 | 23 54 20 3 | 28 15 5 2 | 51 55 45 35 | 13 21 32 34 | 8 9 18 29 | 853 848 842 838 |
| How difficult was the science part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork | 22 65 13 | 3 14 3 | 8 12 13 | 19 60 10 | 50 52 43 | 6 28 6 | 16 24 26 | 10 13 4 | 26 11 17 | 841 846 844 | 26 64 10 | 13 18 15 | 40 49 50 | 17 20 17 | 30 12 17 | 841 848 846 | 27 59 13 | 15 15 21 | 49 53 51 | 22 22 18 | 14 10 10 | 846 848 850 |
| How hard did you try on the science part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork. | 39 57 4 | 5 14 1 | 7 14 14 | 31 55 2 | 46 55 29 | 18 19 2 | 26 19 29 | 14 12 2 | 21 12 29 | 842 846 841 | 44 53 3 | 11 20 33 | 47 48 17 | 21 17 17 | 21 14 33 | 844 847 844 | 40 55 5 | 15 17 12 | 51 53 41 | 22 21 25 | 12 10 22 | 847 848 843 |
| Which courses do you plan to take before you graduate from high school? A. earth and space science and/or biology B. the course(s) described in A, plus chemistry C. the course(s) described in B, plus physics D. a life science and physical science class | 24 24 27 24 | 3 4 11 3 | 7 9 23 7 | 20 21 27 20 | 47 49 56 48 | 11 11 5 12 | 26 26 10 29 | 9 7 5 7 | 21 16 10 17 | 841 843 850 843 | 26 26 25 23 | 9 19 32 7 | 47 45 47 47 | 19 21 11 25 | 24 16 10 21 | 842 847 853 841 | 25 24 22 29 | 11 18 30 8 | 53 53 47 52 | 23 20 14 27 | 13 10 8 14 | 846 849 853 844 |
| How do you feel about the following statement? “My knowledge of science and technology will be useful to me as an adult.” A. strongly agree B. agree C. disagree D. strongly disagree | 33 52 10 5 | 5 14 2 0 | 9 15 11 0 | 36 42 8 2 | 62 46 44 22 | 11 21 3 4 | 19 23 17 44 | 6 14 5 3 | 10 15 28 33 | 847 845 840 829 | 34 53 10 3 | 14 19 15 8 | 56 46 30 15 | 15 20 24 31 | 15 15 30 46 | 847 847 840 830 | 27 54 15 4 | 23 15 10 7 | 51 53 50 39 | 17 21 26 30 | 9 11 14 24 | 851 847 845 841 |
| How well does the following statement reflect your future goals? “I am interested in a career related to science, technology, engineering, or mathematics.” A. strongly agree B. agree C. disagree D. strongly disagree | 22 41 26 11 | 5 13 2 1 | 13 18 4 5 | 19 35 28 7 | 49 48 60 37 | 8 16 11 5 | 21 22 23 26 | 7 9 6 6 | 18 12 13 32 | 844 847 844 836 | 28 36 28 8 | 16 21 15 6 | 53 39 52 40 | 15 20 19 31 | 16 20 14 23 | 847 845 847 839 | 25 37 26 12 | 24 15 12 8 | 52 50 53 48 | 15 22 23 28 | 8 12 12 15 | 851 847 846 844 |
| Optional school/SAU question A. B. C. D. | 30 50 10 10 | 0 1 0 0 | 0 10 0 0 | 2 3 0 0 | 33 30 0 0 | 2 1 1 0 | 33 10 50 0 | 2 5 1 2 | 33 50 50 100 | 837 833 828 802 | 26 44 15 15 | 11 13 0 0 | 22 27 20 40 | 22 7 40 40 | 44 53 40 60 | 836 834 831 818 | | | | | | |

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
 N = Number